AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Please amend the claims as follows:

(Withdrawn) A resin composition used as an adhesive bonding a semiconductor chip or a
heat dissipating member comprising a filler (A), the following compound (B) and a thermal
radical initiator (C), and substantially not containing a photo polymerization initiator:

Compound (B):

a compound containing a structure represented by the following formula (1) in a main chain and having at least one functional group represented by the following formula (2):

Formula (1):

$$\left(X^1 - R^1\right)_{\mathfrak{m}}$$
 (1)

wherein X^1 is -O, -COO- or -OCOO-; R^1 is a hydrocarbon group having 1 to 6 carbons; "m" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other;

Formula (2):

$$R^2$$
 $N \longrightarrow R^3 \longrightarrow COO \longrightarrow (2)$

wherein \mathbb{R}^2 is -CH=CH- or -CH=CH-CH₂-; \mathbb{R}^3 is a hydrocarbon group having 1 to 11 carbons; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

- (Withdrawn) A resin composition according to Claim 1, wherein the filler (A) is silver powder.
- 3. (Withdrawn) A resin composition according to Claim 1, wherein X^I of the compound (B) is -O-.
- (Withdrawn) A resin composition according to Claim 1, wherein R¹ of the compound
 (B) is a hydrocarbon group having 3 to 6 carbons.
- (Withdrawn) A resin composition according to Claim 4, wherein R¹ of the compound
 (B) is at least one selected from the group consisting of -C₃H₆- and -C₄H₈-.
- (Withdrawn) A resin composition according to Claim 1, wherein R² is -C₂H₂- and R³ is
 -CH₂- in the compound (B).
- (Withdrawn) A resin composition according to Claim 1, wherein the compound (B) has
 two functional groups represented by the formula (2).
- (Withdrawn) A resin composition according to Claim 1, wherein the compound (B) is a bis-maleimide compound (B') represented by the following formula (3):
 Formula (3):

wherein X^2 is -O-, -COO- or -OCOO-; each R^4 is hydrogen atom or a methyl group; each R^5 is a hydrocarbon group having 1 to 11 carbons; each R^6 is a hydrocarbon group having 3 to 6 carbons; "n" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

9. (Withdrawn) A resin composition according to Claim 8, wherein X² of the bis-maleimide compound (B') represented by the formula (3) is -O-.

- 10. (Withdrawn) A resin composition according to Claim 8, wherein R⁵ of the bis-maleimide compound (B') represented by the formula (3) is a hydrocarbon group not containing an aromatic group.
- 11. (Withdrawn) A resin composition according to Claim 8, wherein R⁵ of the bis-maleimide compound (B') represented by the formula (3) has 1 to 5 carbons.
- 12. (Withdrawn) A resin composition according to Claim 8, wherein R⁵ of the bis-maleimide compound (B') represented by the formula (3) is -CH₂- or -C₅H₁₀-.
- 13. (Withdrawn) A resin composition according to Claim 8, wherein R⁶ of the bis-maleimide compound (B') represented by the formula (3) is at least one selected from the group consisting of -C₁H₆- and -C₄H₈-.
- 14. (Currently amended) A resin composition used as an adhesive for bonding a semiconductor chip or a heat dissipating member, comprising at least a silver powder (A) <u>having an average particle diameter of 1 to 30 μ m</u>, the following compound (B), a thermal radical initiator (C) and the following compound (D), and substantially not containing a photo polymerization initiator:

Compound (B): a bis-ma Formula (3)

a bis-maleimide compound (B') represented by the following formula (3):

(3)

wherein X^2 is -O-; each R^4 is a hydrogen atom or a methyl group; each R^5 is a hydrocarbon group having 1 to 11 carbons and containing no aromatic group; each R^6 is a hydrocarbon group having 3 to 6 carbons and containing no aromatic group; "n" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other:

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Compound (D):

a compound containing a structure represented by the formula (4) in a main chain and having at least one functional group having a polymerizable C-C unsaturated bond:

Formula (4):

$$--\left(X^{3}---R^{7}\right)_{D}$$
 (4)

wherein X^3 is $-O_+$ COO or OCOO; R^7 is a hydrocarbon group having 3 to 6 carbons; "p" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

15. (Withdrawn) A resin composition according to Claim 1, further containing the following acrylic ester compound (E):

Acrylic ester compound (E):

Formula (5):

wherein \mathbb{R}^8 is hydrogen atom or a methyl group; \mathbb{R}^9 is a hydrocarbon group having 1 to 3 carbons; "x", "y" and "z" are in the relationship expressed by (x+y+z)=3, $1\le x\le 3$, $0\le y\le 2$ and $0\le z\le 2$; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

- 16. (Withdrawn) A resin composition according to Claim 1, wherein R⁸ of the acrylic ester compound (E) represented by the formula (5) is a methyl group.
- (Withdrawn) A resin composition according to Claim 1, wherein R⁹ of the acrylic ester compound (E) represented by the formula (5) is a methyl group.
- 18. (Withdrawn) A resin composition according to Claim 1, wherein R⁸ is a methyl group, R⁹ is a methyl group, and x=1, y=1, and z=1 in the acrylic ester compound (E) represented by the formula (5).

- (Withdrawn) A resin composition according to Claim 1, wherein R⁸ is a methyl group, x=2, y=1 and z=0 in the acrylic ester compound (E) represented by the formula (5).
- (Withdrawn) A resin composition according to any-of Claim 1, further comprising the following acrylamide compound (F):

Acrylamide compound (F):

a compound containing a structure represented by the following formula (6) in a main chain and having at least one functional group represented by the following formula (7): Formula (6):

$$-\left(X^4-R^{10}\right)$$
 (6)

Formula (7):

$$CH_2 = CR^{11} - CONH - (7)$$

wherein X⁴ is -O-, -COO- or -OCOO-; R¹⁰ is a hydrocarbon group having 3 to 6 carbons; R¹¹ is hydrogen atom or a methyl group; "r" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

- 21. (Withdrawn) A resin composition according to Claim 20, wherein R^{10} of the structure represented by the formula (5) of the acrylamide compound E) is at least one selected from the group consisting of $-C_3H_6$ and $-C_4H_8$ -.
- 22. (Withdrawn) A resin composition according to Claim 20, wherein X⁴ of the structure represented by the formula (5) of the acrylamide compound (E) is -O-.
- 23. (Currently amended) A resin composition used as an adhesive for bonding a semiconductor chip or a heat dissipating member, comprising at least a silver powder (A) <u>having an average particle diameter of 1 to 30 μ m</u>, the following compound (B), a thermal radical initiator (C) and the following allyl ester compound (G), and substantially not containing a photo polymerization initiator:

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Compound (B):

a bis-maleimide compound (B') represented by the following formula (3):

Formula (3)

$$\begin{array}{c} x_1 - \infty \\ \parallel \\ x_2 - \infty \\ \end{array} \\ N - k_1 - \infty - k_1 - \left(x_1 - k_2 \right)^{\frac{1}{2}} - \infty - k_1 - \left(x_2 - k_2 \right)^{\frac{1}{2}} - \infty - k_2 - \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} \\ 0 + \frac{1}{2} \left(x_1 - k_2 \right)^{\frac{1}{2}} - \frac{1}{2} \left(x_1 - k_$$

wherein X^2 is -O-; each R^4 is a hydrogen atom or a methyl group; each R^5 is a hydrocarbon group having 1 to 11 carbons and containing no aromatic group; each R^6 is a hydrocarbon group having 3 to 6 carbons and containing no aromatic group; "n" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other:

Allyl ester compound (G):

a compound having at least one functional group represented by the following formula

(8):

Formula (8):

$$CH_2 = CH - CH_2 - OCO - R^{12} - (8)$$

wherein R¹² is a hydrocarbon group having 2 to 8 carbons.

- 24. (Original) A resin composition according to Claim 23, wherein R¹² of the structure represented by the formula (8) of the allyl ester compound (G) does not contain an aromatic group.
- 25. (Previously presented) A resin composition according to Claim 23, wherein the allyl ester compound (G) contains a structure represented by the following formula (9):
 Formula (9):

$$-(-X^5-R^{13})_s$$
 (9)

wherein X^5 is -O-, -COO- or -OCOO-; R^{13} is a hydrocarbon group having 3 to 6 carbons; "s" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

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 (Withdrawn) A resin composition according to Claim 1, further containing the following compound (H):

Compound (H):

a compound derived from a hydrocarbon having at least one C-C unsaturated bond in one molecule, which has a number average molecular weight of 500 to 5,000, contains a structure represented by the following formula (10) at its modified position, and has at least one functional group having a polymerizable C-C unsaturated bond:

Formula (10):

$$-(x^6-R^{14})$$
 (10)

wherein X^6 is $-O_7$, $-COO_7$ or $-OCOO_7$; R^{14} is a hydrocarbon group having 3 to 6 carbons; "t" is an integer from 1 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other.

- 27. (Withdrawn) A resin composition according to Claim 26, wherein X^6 is -O- and R^{14} is C_4H_8 in the structure represented by the formula (10) of the compound (H).
- 28. (Withdrawn) A resin composition according to Claim 26, wherein a hydrocarbon led to the compound (H) and having at least one C-C unsaturated bond in one molecule is a butadiene polymer.
- 29. (Withdrawn) A resin composition according to Claim 26, wherein a hydrocarbon led to the compound (H) and having at least one C-C unsaturated bond in one molecule is an isoprene polymer.
- (Withdrawn) A resin composition according to Claim 26, wherein the polymerizable C-C unsaturated bond of the compound (H) is a (meth)acryloyl group.
- (Withdrawn) A resin composition according to Claim 1, further containing a reactive diluent (1).

- 32. (Withdrawn) A resin composition according to Claim 31, wherein the reactive diluent (I) is a vinyl compound which is in liquid form at room temperature other than the compounds (D) to (H).
- 33. (Withdrawn) A resin composition according to Claim 32, wherein the vinyl compound is a compound containing at least one (meth)acryloyl group.
- 34. (Withdrawn) A resin composition according to Claim 1, further containing a silanebased coupling agent (J).
- (Withdrawn) A resin composition according to Claim 34, wherein the coupling agent (J) is a silane coupling agent having an S-S bond.
- 36. (Withdrawn) A resin composition according to Claim 34, wherein the coupling agent (J) further contains a silane coupling agent having a glycidyl group.
- 37. (Withdrawn) A resin composition according to Claim 1, containing a compound (K) having a glycidyl group other than the silane coupling agent having a glycidyl group.
- 38. (Withdrawn) A resin composition according to Claim 1, further containing the following compound (L) and the following compound (M):
 Compound (L):
- a compound containing the following structure represented by the formula (11) in a main chain and having at least one glycidyl group:

Formula (11):

$$-(X^7-R^{15})_{u}$$
 (11)

wherein X^2 is -O-, -COO- or -OCOO-; R^{15} is a hydrocarbon group having 3 to 6 carbons; "u" is an integer from 2 to 50; and if the formula contains two or more parts which are denoted by the same symbol, each of them may be the same or different from each other;

Compound (M):

- a compound having a functional group which can react with the glycidyl group of the compound (L).
- 39. (Withdrawn) A compound according to Claim 38, wherein the repeating unit (X^7-R^{15}) of the compound (L) is the same as the repeating unit (X^1-R^1) of the compound (M).
- 40. (Withdrawn) A semiconductor device containing the resin composition according to Claim 1 as a die attach material.
- 41. (Withdrawn) A semiconductor device containing the resin composition according to Claim 1 as a material for bonding a heat dissipating member.